CENTRAL TEXAS COLEOPTERA.

BY W. KNAUS, MC PHERSON, KANSAS.

The last week in May, 1904, the writer spent on a collecting trip for Coleoptera in Central Texas. The places collected at were Ft. Worth, or more properly speaking, Station 6, five miles east of the city, on the electric line to Dallas, May 23; Granbury, on the Brazos River, May 24; Brownwood, on Pecan Bayou, May 25–26; Winchell, on the Colorado River, May 26–27; Brady, on Brady Creek, May 27; and Camp San Saba, on San Saba River, two hundred miles south-west of Ft. Worth, on May 27–28. This part of Texas was suffering for want of rain at the time of my visit, but results were fairly satisfactory, as one hundred and forty seven species were taken, as the list following shows.

Identifications of the species not readily recognized were made by Mr. H. C. Fall, of Pasadena, Calif.; Mr. H. F. Wickham, of Iowa City, Iowa, and Mr. C. Schaeffer, of Brooklyn, N. Y.

The bred specimens referred to in the list were from Mesquite wood, procured at Brownwood. No specimens emerged until the latter part of August.

14a Cicindela Belfragei, Salle; one specimen at Brownwood and one at Winchell.

38 Cicindela rectilatera, Chd., Granbury and Winchell, on moist mud near water.

40 Cicindela punctulata, Fab.; Station 6.

218 Pasimachus punctulatus, Hald.; a few specimens at Granbury.

219 Pasimachus Californicus, Chd.; several specimens at Brownwood.

265 Clivina pallida, Say; at Granbury, two specimens.

283 Schizogenius lineolatus, Say; not common at Brady.

Schizogenius, species between depressus, Lec., and amphibius, Hald.; several specimens at Brady.

292 Ardistomis viridis, Say; Brownwood, common.

388 Bembidium intermedium, Kirby; common at Brownwood.

391 Bembidium versicolor, Lec.; Brady and Brownwood, not common.

421 Bembidium laevigatum, Say, Granbury; several specimens.

463 Tachys nebulosus, Chd., Camp San Saba and Brady; several specimens near water's edge.

742 Calathus gregarius, Say; Station 6.

772 Platynus extensicollis, Say; Camp San Saba, common.

849 Galerita atripes, Lec.; Brady and Camp San Saba, a few specimens.

876 Tetragonoderus fasciatus, Hald.; Camp San Saba, two specimens under stones at water's edge.
939 Cymindis laticollis, Say ; Station 6, four specimens.
961 Helluomorpha ferruginea, Lec.; Winchell, six specimens under decaying wood.
1000 Chlænius laticollis, Say ; Camp San Saba.
1007 Chlænius prasinus, Dej.; Granbury, a few specimens.
1008 Chlænius leucoscelis, Chev.; Camp San Saba, common.
1012 Chlænius vafer, Lec.; Camp San Saba, two specimens.
1014 Chlænius Nebraskensis, Lec.; Camp San Saba, a few specimens.
1021 Chlænius Pennsylvanicus, Say ; Station 6, one specimen.
1045 Oodes cupræus, Chd.; Brownwood, on moist mud, near the water's edge.
1062 Agonoderus partiarius, Say ; Brady, two specimens.
1067 Discoderus parallelus, Hald.; Brady, common.
1083 Harpalus caliginosus, Fab.; Station 6, common.
1087 Harpalus Pennsylvanicus, DeG.; Camp San Saba, common.
1125 Selenophorus pedicularius, Dej.; Brady, three specimens.
1327 Hydroporus dimidiatus, G. & H.; Brady, common.
1502 Cybister fimbriolatus, Say ; Brady, three specimens.
1576 Ochthebius fasciatus, Lec.; Brady, one specimen.
1592 Tropisternus Californicus, Lec.; Brady, three specimens.
Berosus, species ; Brady, two specimens.
1617 Chætarthria atra, Lec.; Brady, one specimen.
1626 Philhydrus nebulosus, Say ; Brady, several specimens.
1639 Helochares maculicollis, Muls.; Brady, one specimen.
9318 Cymbiodyta morata, Lec.; Brady, two specimens.
1672 Cercyon melanocephalum, Linn.; Camp San Saba, several specimens.
1698 Necrophorus marginatus, Fab.; Station 6.
1708 Silpha inæqualis, Fab.; Station 6.
2167 Philonthus hepaticus, Er.; Brownwood, common.
2170 Philonthus flavolimbatus, Er.; Brownwood, two specimens.
2182 Philonthus alumnus, Er.; Brownwood, two specimens.
2231 Philonthus viridanus, Horn ; Brownwood, two specimens.
2251 Actobius pæderoides, Lec.; Brownwood and Brady, common.
2255 Actobius terminalis, Lec.; Brownwood, one specimen.
2278 Xantholinus pusillus, Sachse ; Brownwood, two specimens.
Trogophlœus, three species ; Brownwood and Brady.

2305 Stenus renifer, Lec.; Brownwood, Brady and Camp San Saba, common.

2376 Stenus colonus, Er.; Camp San Saba, three specimens.

Stenus species near callosus, Er.; Camp San Saba, two specimens.

2508 Cryptobium sellatum, Lec.; Camp San Saba, two specimens.

2782 Apocellus sphæricollis, Say; Brady, one specimen. All the above Staphylinids were taken on moist mud near pools.

Psyllobora obsoleta, Cas.; Camp San Saba, one specimen.

3084 Exochomus contristatus, Muls.; Station 6.

Exochomus latiusculus, Cas.; Camp San Saba, one specimen.

3095 Brachyacantha ursina, Fab.; Station 6.

3149 Scymnus caudalis, Lec.; Camp San Saba, one specimen.

3206 Languria læta, Lec.; Brownwood, common.

3219 Ischyrus 4-punctatus, Oliv.; Granbury, common on fungus.

3229 Tritoma atriventris, Lec.; Brownwood.

3344 Lathropus vernalis, Lec.; Brownwood, several specimens bred from Mesquite.

3418 Dermestes marmoratus, Say; Winchell, one specimen.

3490 Hister abbraviatus, Fab.; Winchell, two specimens.

3494 Hister depurator, Say; Brady, two specimens.

3515 Hister subrotundus, Say; Winchell, one specimen.

3610 Saprinus fimbriatus, Lec.; Granbury and Brady, several specimens.

9977 Teretrius levatus, Horn; twelve specimens, Brownwood, in larval burrows in mesquite.

3673 Carpophilus pallipennis, Say; Station 6 and Winchell, common in Opuntia flowers.

3673. Var. floralis, Er.; Winchell, common.

3689 Colastus truncatus, Rand.; Winchell, one specimen.

3917 Lutrochus luteus, Lec.; Camp San Saba, common, on stones in river.

3924 Helichus suturalis, Lec.; Camp San Saba, common, on underside of stones in river.

Elmis, two new species; Camp San Saba, under stones in river, one specimen; common.

3951 Stenelmis vittipennis, Zim.; Camp San Saba, common, under stones in river.

Stenelmis, two new species; Camp San Saba, under stones in water.

3970 Heterocerus undatus, Melsh.; Brady, one specimen.

4092 Alaus lusciosus, Hope; Brownwood, one specimen.

4251 Drasterius asper, Lec.; Winchell, one specimen.

4573 Chalcophora campestris, Say; Brownwood, one specimen, very large.

4699 Acmæodera pulchella, Hbst.; Winchell, on Opuntia flowers
Acmæodera neglecta, Fall; Winchell, common, on Opuntia flowers.

4872 Chauliognathus scutellaris, Lec.; Winchell, common.

5004 Collops 4–maculatus, Fab.; Winchell.

5038 Anthocomus Erichsonii, Lec.; Winchell, common, on Opuntia flowers.

5109 Listrus senilis, Lec.; Winchell, several specimens.

5111 Dasytellus nigricorne, Bland.; six specimens at Winchell.

5127 Elasmocerus terminatus, Say; Brownwood, bred from Mesquite; larvæ in white part of wood.

5342 Sinoxylon Texanum, Horn; Brownwood, bred from Mesquite; perfect insects, tunneling vertically into wood.

5377 Trogoxylon Californicum, Cr.; Brownwood, bred from Mesquite; larvæ in white part of wood, emerged from August to December, very common.

5435 Canthon lævis, Drury; Brownwood, Camp San Saba and Winchell.

5442 Choeridium Lecontei, Har.; Brady, two specimens.

5451 Phanæus difformis, Lec.; Granbury, one male and one female.

5453 Phanæus triangularis, Say; Camp San Saba, one female.

5458 Onthophagus hecate, Panz.; Winchell, common.

5463 Onthophagus Pennsylvanicus, Har.; Winchell, common.

10208 Aphodius tenuistriatus, Horn.; Station 6.

5738 Lachnosterna cribrosa, Lec.; Brownwood and Winchell.
Lachnosterna, new species, Station 6, one male, two females, under stones, near scrub oaks; species near corossa, Lec.

5842 Strigoderma arboricola, Fab.; Brownwood, common.

5869 Ligyrus gibbosus, De G.; Brownwood and Winchell, common.

5892 Phileurus cribrosus, Lec.; Brownwood, one specimen in Mesquite stump.

5901 Euphoria Kernii, Hald.; Winchell, several specimens and a black var.

5938 Trichius Texanus, Horn; Winchell, two specimens.

6141 Batyle suturalis, Say; Winchell and Brady.

6169 Cyllene crinicornis, Chev.; Brownwood, several specimens bred from Mesquite, emerged from wood, Sept., Oct. Apparently the most common species boring in Mesquite.

6492 Mecas pergrata, Say ; Winchell, one specimen.

6580 Anomoea mutabilis, Lec.; Winchell, one specimen.
Pachybrachys, species, Camp San Saba, several specimens.

6707 Diachus auratus, Fab.; Camp San Saba, two specimens.

6775 Colaspis prætexta, Say ; Brownwood.

6971 Graptodera foliacea, Lec.; Camp San Saba, common.

7020 Aphthona Texana, Cr.; Station 6, one specimen.

7080 Odontota rubra, Web.; Station 6, two specimens.

7320 Eleodes tricostata, Say ; Brownwood.

7391*a* Nyctobates barbata, Knoch.; Station 6, one specimen.

7433 Blapstinus dilatatus, Lec.; Station 6.

7438 Blapstinus pratensis, Lec.; Brady, two specimens.

7510 Platydema excavatum, Say ; Granbury, common on fungus.

7550 Helops impolitus, Lec.; Winchell, one specimen.

7573 Helops farctus, Lec.; Winchell, one specimen.

7679 Eustrophus bicolor, Say ; Granbury, common on fungus.

7739 Oxacis cana, Lec.; Camp San Saba, four specimens.

7780 Mordella scutellaris, Fab ; Brownwood.

7847 Mordellistena marginalis, Say ; Camp San Saba, Winchell, several specimens.

7915 Macratria murina, Fab.; Camp San Saba, one specimen.

7922 Notoxus calcaratus, Horn.; Camp San Saba, one specimen.
Nemognatha, new species, Winchell, not uncommon.

8045 Gnathium Texanum, Horn.; Camp San Saba, one specimen.

8068 Macrobasis immaculata, Say ; Winchell, two specimens.

8079 Epicauta trichrus, Pall.; Winchell, two specimens.

8083 Epicauta sericans, Lec.; Winchell, several specimens.

8140 Cantharis fulvipennis, Lec.; Brownwood and Camp San Saba.

8491 Lixus silvius, Boh.; Camp San Saba, three specimens.
Smicronyx species, Camp San Saba.

8681 Macrorhoptus estriatus, Lec.; Camp San Saba, one specimen.

8760 Acalles porosus, Lec.; Winchell.

11055 Tychius subfasciatus, Var.; Casey, Camp San Saba, one specimen.

9221 Cratoparis lunatus, Fab.; Station 6.

9227 Brachytarsus vestitus, Lec.; Winchell, common.